

NAME

iswalnum - test for alphanumeric wide character

SYNOPSIS

```
#include <wctype.h>

int iswalnum(wint_t wc);
```

DESCRIPTION

The **iswalnum()** function is the wide-character equivalent of the [isalnum\(3\)](#) function. It tests whether *wc* is a wide character belonging to the wide-character class alnum.

The wide-character class alnum is a subclass of the wide-character class graph, and therefore also a subclass of the wide-character class print.

Being a subclass of the wide-character class print, the wide-character class alnum is disjoint from the wide-character class cntrl.

Being a subclass of the wide-character class graph, the wide-character class alnum is disjoint from the wide-character class space and its subclass blank.

The wide-character class alnum is disjoint from the wide-character class punct.

The wide-character class alnum is the union of the wide-character classes alpha and digit. As such, it also contains the wide-character class xdigit.

The wide-character class alnum always contains at least the letters A to Z, a to z and the digits 0 to 9.

RETURN VALUE

The **iswalnum()** function returns nonzero if *wc* is a wide character belonging to the wide-character class alnum. Otherwise, it returns zero.

ATTRIBUTES**Multithreading (see [pthreads\(7\)](#))**

The **iswalnum()** function is thread-safe with exceptions. It can be safely used in multithreaded applications, as long as [setlocale\(3\)](#) is not called to change the locale during its execution.

CONFORMING TO

C99.

NOTES

The behavior of **iswalnum()** depends on the **LC_CTYPE** category of the current locale.

SEE ALSO

[isalnum\(3\)](#), [iswctype\(3\)](#)

COLOPHON

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